UI Bulletin #185b

Subject:	Frame/Wheelbase Modifications – MD Trucks
Models Years Affected:	2019 - beyond
Models Affected:	Silverado 4500-6500 HD
Origination Date:	April 6, 2022
Revision Date:	June 8, 2023

ADVISORY:

Condition/Concern:

Some upfitters may require modifications to the vehicle's chassis wheelbase to accommodate the installing of an upfit body.

Repair/Recommendation:

Modifications to the chassis length should be performed to resemble that of an available/offered model/year production wheelbase length. Wheelbase lengths other than factory available do not have calibrations released for the vehicle stability systems (ABS and StabiliTrak). Wheelbase alterations affect wheel speed at each corner of the vehicle. If wheel speed inputs do not match the factory allowed variances/calibrated between sensors, the stability system detects an error and may set a Diagnostic Trouble Code (DTC). This occurrence may result in an unwanted stability control event. General Motors does not support calibrations outside of our production builds nor those that have not been tested and/or validated by GM.

In addition, After Frame lengths (AF) should not exceed those available/offered model/year by GM. Extreme AFs may alter CG/Weight distribution contributing to negative ride, braking and handling that may also affect stability systems (ABS and StabiliTrak).

Following the wheelbase modification, the vehicle's chassis control system may require reprogramming to ensure that the proper calibration for the altered wheelbase is loaded. Reprogramming by a GM dealer and contacting TCSC for the updates to be made to the Vehicle Configuration Index is required. Administrative fees are applicable for the VCI updates and are in addition to any labor fees for the reprogramming.

Additional Information:

Refer to the vehicle's Body Builder Manuals, Best Practices Manual, and Incomplete Vehicle Documents and the GMFleet.com website for reference and available Wheelbase (WB) and Axle to End of Frame (AF) lengths. If you still have questions, please submit those via the Contact Us form (https://www.gmupfitter.com/contact/) of our website.

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